



OIPE

ENTERED

RAW SEQUENCE LISTING

DATE: 06/14/2002

PATENT APPLICATION: US/10/007,489B

TIME: 14:49:25

Input Set : A:\EP.txt

Output Set: N:\CRF3\06142002\J007489B.raw

SEQUENCE LISTING

3 (1) GENERAL INFORMATION:
5 (i) APPLICANT: Frayne, Elizabeth Gay
7 (ii) TITLE OF INVENTION: Microbial Production of
8 Nuclease Resistant DNA, RNA, and Oligo Mixtures
10 (iii) NUMBER OF SEQUENCES: 2
12 (iv) CORRESPONDENCE ADDRESS:
13 (A) ADDRESSEE: Frayne, Elizabeth Gay
14 (B) STREET: 2027 Galvin Ln. #1
15 (C) CITY: Diamond Bar
16 (D) STATE: California
17 (E) COUNTRY: USA
18 (F) ZIP: 91765
19 (v) COMPUTER READABLE FORM:
20 (A) MEDIUM TYPE: Diskette, 3.50 inch 1.4 MB
21 (B) COMPUTER: IBM
22 (C) OPERATING SYSTEM: Windows XP
23 (D) SOFTWARE: Microsoft Word
24 (vi) CURRENT APPLICATION DATA:
C--> 25 (A) APPLICATION NUMBER: US/10/007,489B
C--> 26 (B) FILING DATE: 05-Dec-2001
27 (C) CLASSIFICATION:
28 (vii) PRIOR APPLICATION DATA:
29 (A) APPLICATION NUMBER: US 60/100,231
30 (B) FILING DATE: 14-SEP-1998
31 (A) APPLICATION NUMBER: US 60/152,371
32 (B) FILING DATE: 07-SEP-1999
33 (ix) TELECOMMUNICATION INFORMATION:
34 (A) TELEPHONE: (909)861-2111/860-7415
35 (2) INFORMATION FOR SEQ ID NO: 1:
36 (i) SEQUENCE CHARACTERISTICS:
37 (A) LENGTH: 22 base pairs
38 (B) TYPE: nucleic acid
39 (C) STRANDEDNESS: single
40 (D) TOPOLOGY: linear
41 (ii) MOLECULE TYPE: genomic DNA
42 (iii) HYPOTHETICAL: no
43 (iv) ANTI-SENSE: no
44 (vi) ORIGINAL SOURCE:
45 (A) ORGANISM: Saccharomyces cerevisiae
46 (B) STRAIN: YFLO39C genomic clone
47 (x) PUBLICATION INFORMATION:
48 (A) AUTHORS: Murakami Y., Naitou M., Hagiwara H., Shibata T.,

RAW SEQUENCE LISTING

DATE: 06/14/2002

PATENT APPLICATION: US/10/007,489B

TIME: 14:49:25

Input Set : A:\EP.txt

Output Set: N:\CRF3\06142002\J007489B.raw

49 Ozawa M., Sasanuma S.I., Sasanuma M., Tsuchiya Y., Soeda E.,
 50 Yokoyama K., Yamazaki M., Tashiro H., Eki T.
 51 (B) TITLE: Analysis of the nucleotide sequence of chromosome VI from
 52 *Saccharomyces cerevisiae*.
 53 (C) JOURNAL: Nature Genet.
 54 (D) VOLUME: 10
 55 (F) PAGES: 261-268
 56 (G) DATE:1995
 57 (K) RELEVANT RESIDUES IN SEQ ID NO: 1: 10-31
 58 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
 59 GAG GTT GCT GCT TTG GTT ATT G 22
 60 (2) INFORMATION FOR SEQ ID NO: 2:
 61 (i) SEQUENCE CHARACTERISTICS:
 62 (A) LENGTH: 22 base pairs
 63 (B) TYPE: nucleic acid
 64 (C) STRANDEDNESS: single
 65 (D) TOPOLOGY: linear
 66 (ii) MOLECULE TYPE: genomic DNA
 67 (iii) HYPOTHETICAL: no
 68 (iv) ANTI-SENSE: yes
 69 (vi) ORIGINAL SOURCE:
 70 (A) ORGANISM: *Saccharomyces cerevisiae*
 71 (B) STRAIN: YFLO39C genomic clone
 72 (x) PUBLICATION INFORMATION:
 73 (A) AUTHORS: Murakami Y., Naitou M., Hagiwara H., Shibata T.,
 74 Ozawa M., Sasanuma S.I., Sasanuma M., Tsuchiya Y., Soeda E.,
 75 Yokoyama K., Yamazaki M., Tashiro H., Eki T.
 76 (B) TITLE: Analysis of the nucleotide sequence of
 77 chromosome VI from *Saccharomyces cerevisiae*.
 78 (C) JOURNAL: Nature Genet.
 79 (D) VOLUME: 10
 80 (F) PAGES: 261-268
 81 (G) DATE:1995
 82 (K) RELEVANT RESIDUES IN SEQ ID NO: 2: 1097-1118
 83 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
 84 TT GTG GTG AAC GAT AGA TGG AC 22

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/007,489B

DATE: 06/14/2002

TIME: 14:49:26

Input Set : A:\EP.txt

Output Set: N:\CRF3\06142002\J007489B.raw

L:25 M:220 C: Keyword misspelled or invalid format, -[(A) APPLICATION NUMBER:]

L:26 M:220 C: Keyword misspelled or invalid format, -[(B) FILING DATE:]

SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT: Frayne, Elizabeth Gay

(ii) TITLE OF INVENTION: Microbial Production of Nuclease Resistant DNA, RNA, and

Oligo Mixtures

(iii) NUMBER OF SEQUENCES: 2

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Frayne, Elizabeth Gay

(B) STREET: 2027 Galvin Ln. #1

(C) CITY: Diamond Bar

(D) STATE: California

(E) COUNTRY: USA

(F) ZIP: 91765

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Diskette, 3.50 inch 1.4 MB

(B) COMPUTER: IBM

(C) OPERATING SYSTEM: Windows 98

(D) SOFTWARE: Microsoft Word

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US 10/007,489

(B) FILING DATE: 12/05/2001

(C) CLASSIFICATION: 435/41, 435/71, 435/91, 435/131, 435/154, 435/172, 435/183; 935, 536/27

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION (PROVISIONAL) NUMBER: US 60/100,231

(B) FILING DATE: 9/14/98

(C) APPLICATION (PROVISIONAL) NUMBER: 60/152,371

(D) FILING DATE: 9/07/99

(viii) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: (909)861-2111/860-7415

(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 22 bp

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE:

(A) DESCRIPTION: genomic DNA

(iii) HYPOTHETICAL: no

(iv) ANTI-SENSE: no

(v) ORIGINAL SOURCE:

(A) ORGANISM: Saccharomyces cerevisiae

(B) STRAIN: YFLO39C genomic clone

(vi) PUBLICATION INFORMATION:

(A) AUTHORS: MURAKAMI Y., NAITOU M., HAGIWARA H., SHIBATA T., OZAWA M., SASANUMA S.I., SASANUMA M., TSUCHIYA Y., SOEDA E., YOKOYAMA K., YAMAZAKI M., TASHIRO H., EKI T.

(B) TITLE: Analysis of the nucleotide sequence of chromosome VI from Saccharomyces cerevisiae.

(C) JOURNAL: Nature Genet.

RECEIVED

MAR 27 2002

TECH CENTER 1600/2900

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MAR 27 2002

TECH CENTER 1600/2900

(D) VOLUME: 10
 (C) PAGES: 261-268
 (D) DATE:1995
 (E) RELEVANT RESIDUES IN SEQ ID NO: 1: 10-31
 (vii) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
 GAG GTT GCT GCT TTG GTT ATT G
 (3) INFORMATION FOR SEQ ID NO: 2:
 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 22 bp
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE:
 (A) DESCRIPTION: genomic DNA
 (iii) HYPOTHETICAL: no
 (iv) ANTI-SENSE: yes
 (v) ORIGINAL SOURCE:
 (A) ORGANSIM: *Saccharomyces cerevisiae*
 (B) STRAIN: YFLO39C genomic clone
 (vi) PUBLICATION INFORMATION:
 (A) AUTHORS: MURAKAMI Y., NAITOU M., HAGIWARA H., SHIBATA T.,
 OZAWA M., SASANUMA S.I., SASANUMA M., TSUCHIYA Y., SOEDA E., YOKOYAMA K.,
 YAMAZAKI M., TASHIRO H., EKI T.
 (B) TITLE: Analysis of the nucleotide sequence of chromosome VI from
Saccharomyces cerevisiae.
 (C) JOURNAL: Nature Genet.
 (D) VOLUME: 10
 (B) PAGES: 261-268
 (C) DATE:1995
 (D) RELEVANT RESIDUES IN SEQ ID NO: 2: 1097-1118
 (vii) SEQUENCE DESCRIPTION: SEQ ID NO:2:
 TT GTG GTG AAC GAT AGA TGG AC

10/007,489

pp 1-3

Does Not Comply
Corrected Diskette Needed

SEQUENCE LISTING

(1) GENERAL INFORMATION

(i) APPLICANT: Elizabeth Frayne

~~(ii) APPLICANT ADDRESS: 2027 Galvin Ln. #1~~

delete

(ii) ~~(iii)~~ TITLE OF INVENTION: Microbial Production of
Nuclease Resistant DNA, RNA, and Oligo Mixtures

(iii) ~~(iv)~~ NUMBER OF SEQUENCES: 2

(iv) ~~(v)~~ CORRESPONDENCE ADDRESS:

- (A) ADDRESSEE: Frayne Consultants
- (B) STREET: 1249 S. Diamond Bar Blvd. #125
- (C) CITY: Diamond Bar
- (D) STATE: California
- (E) COUNTRY: USA
- (F) ZIP: 91765

(v) ~~(iv)~~ COMPUTER READABLE FORM

- (A) MEDIUM TYPE: Diskette, 3.50 inch 1.2 KB
- (B) COMPUTER: IBM
- (C) OPERATING SYSTEM: Windows 98
- (D) SOFTWARE: Microsoft Word

(vi) ~~(vii)~~ CURRENT APPLICATION DATA

- (A) APPLICATION NUMBER:
- (B) FILING DATE:

~~(C) CLASSIFICATION: 435/41, 435/71, 435/91,
435/131, 435/154, 435/172, 435/183, 935,
536/27~~

delete

(vii) ~~(viii)~~ PRIOR APPLICATION DATA:

(A) APPLICATION (PROVISIONAL) NUMBERS: *move up next to* current (A) APPLICATION NUMBER

unknown 607152, 3710, 607100, 231

(B) FILING DATE: *current unknown* 9/07/99

9/14/99

(A) APPLICATION NUMBER: *14-SEP-1999*

(B) FILING DATE:

(ix) TELECOMMUNICATION INFORMATION: *Colon*

(A) TELEPHONE: (909) 861-2111/860-7415

~~(B) EMAIL: egfrayne@cs.com~~

07-SEP-1999

*use this
date
format*

(2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS: *Colon*

(A) LENGTH: 22 bp

*after each
heading*

*list each prior
serial number
separately*

10/007,489 2

- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE:
(A) DESCRIPTION: oligonucleotide

(iii) HYPOTHETICAL: no

(iv) ANTI-SENSE: no

(vi) ~~+~~ ORIGINAL SOURCE: ORGANISM
(A) ORGANISM Saccharomyces cerevisiae
(B) STRAIN: YFLO39C genomic clone

Per 1.823
of sequence
rules, list

(x) ~~+~~ PUBLICATION INFORMATION:

(A) ~~AUTHORS:~~ AUTHORS: Murakami Y., Naitou M.,
Hagiwara H., Shibata T., Ozawa M., Sasanuma S.I.,
Sasanuma M., Tsuchiya Y., Soeda E., Yokoyama K.,
Yamazaki M., Tashiro H., Eki T.

each
author
on a
separate
line

(B) TITLE: Analysis of the nucleotide sequence of
chromosome VI from Saccharomyces cerevisiae.

(C) JOURNAL: Nature Genet.

(D) VOLUME: 10

(F) ~~+~~ PAGES: 261-268

(G) ~~+~~ DATE: 1995

(K) ~~+~~ RELEVANT RESIDUES IN SEQ ID NO 1: 10-31

: Colon

(xi) ~~+~~ SEQUENCE DESCRIPTION: SEQ ID NO 1:

delete

(maximum
of first
ten authors)

GAGGTTGCTG CTTGGTTAT TG

22

SURNAME ~~comma~~ OTHER NAMES
and/or
INITIALS

(2) ~~+~~ INFORMATION FOR SEQ ID NO 2:

T

insert

cumulative

base total at right

margin

of each
line

(i) SEQUENCE CHARACTERISTICS: ←

(A) ~~+~~ LENGTH: 22 bp

(B) ~~+~~ TYPE: nucleic acid

(C) ~~+~~ STRANDEDNESS: single

(D) ~~+~~ TOPOLOGY: linear

(ii) MOLECULE TYPE:

(A) ~~+~~ DESCRIPTION: oligonucleotide

(iii) HYPOTHETICAL: no

(iv) ANTI-SENSE: no

10/007,4893

→(vi)

→ ORIGINAL SOURCE:

- (A) ~~(P)~~ ORGANSIM *misspelled* Saccharomyces cerevisiae
(B) ~~(G)~~ STRAIN: YFLO39C genomic clone

fix format

(X) ~~(vi)~~ PUBLICATION INFORMATION:

(A) ~~AUTHORS:~~ AUTHORS: Murakami Y., Naitou M.,
Hagiwara H., Shibata T., Ozawa M., Sasanuma S.I.,
Sasanuma M., Tsuchiya Y., Soeda E., Yokoyama K.,
Yamazaki M., Tashiro H., Eki T.

as

(B) TITLE: Analysis of the nucleotide sequence of
chromosome VI from Saccharomyces cerevisiae.

Indicated

(C) JOURNAL: Nature Genet.

on

(D) VOLUME: 10

page

(F) ~~(H)~~ PAGES: 261-268

(G) ~~(I)~~ DATE: 1995

(K) ~~(J)~~ RELEVANT RESIDUES IN SEQ ID NO 1: 1097-1118

do you mean 2?

(X) ~~(vi)~~ SEQUENCE DESCRIPTION: SEQ ID NO 2:

TTGTGGTGAA CGATAGATGG AC

22 ← insert

1) Please consult Sequencer

Rules for valid format.

2) See sample Sequence Listing (attached)

3) FYI: all U.S. applications filed on or
after July 1, 1998, and which cannot
claim a prior invention filed before
July 1, 1998, need to be in new
Sequence Rules format.